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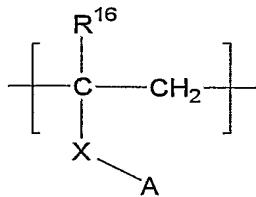
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WO 2005/061562 A1 (54) Title: BORON-CONTAINING POLYMER COMPOUND AND ORGANIC LIGHT EMITTING DEVICE USING THE SAME



(1)

(57) Abstract: The present invention provides a polymer material showing high luminous efficiency at a low voltage and suitable for increasing the emission area and for the mass production, and an organic light emitting device using the same. The present invention relates to a polymer compound comprising a boron-containing monomer unit represented by formula (1): [in the formula, A represents a triphenyl boron group in which the phenyl group may be substituted, R<sup>16</sup> represents a hydrogen atom or an alkyl group having 1 to 12 carbon atoms. X represents a single bond, -O-, -S-, -SO-, -SO<sub>2</sub>- or a divalent hydrocarbon group having 1 to 20 carbon atoms which may have a hetero atom], a light-emitting polymer compound comprising the boron-containing monomer unit and a light-emitting monomer unit, a light-emitting composition comprising the boron-containing monomer unit and a light-emitting low-molecular compound or light-emitting polymer compound, and organic light-emitting device using the light-emitting polymer compound or the light-emitting composition.

having 1 to 20 carbon atoms which may have a hetero atom], a light-emitting polymer compound comprising the boron-containing monomer unit and a light-emitting monomer unit, a light-emitting composition comprising the boron-containing monomer unit and a light-emitting low-molecular compound or light-emitting polymer compound, and organic light-emitting device using the light-emitting polymer compound or the light-emitting composition.